

Attorney Docket No.: **ISPH-0613**  
Inventors: **Crooke et al.**  
Serial No.: **10/054,313**  
Filing Date: **October 22, 2001**  
Page 2

The following listing of claims will replace all prior versions and listings of claims in this application.

Listing of Claims:

Claims 1-44 (canceled).

Claim 45 (currently amended): The A method of making substantially pure human Type 2 RNase H comprising transfecting a host cell with a vector containing a nucleic acid sequence encoding human Type 2 RNase H, wherein said host cells express the human Type 2 RNase H polypeptide, and isolating the human Type 2 RNase H polypeptide, claim 44 wherein said human Type 2 RNase polypeptide comprises SEQ ID NO: 1 or a derivative, variant or active fragment thereof.

Claim 46 (new): The method of claim 45 wherein said human Type 2 RNase H polypeptide comprises a sequence at least 95% identical to SEQ ID NO: 1.

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